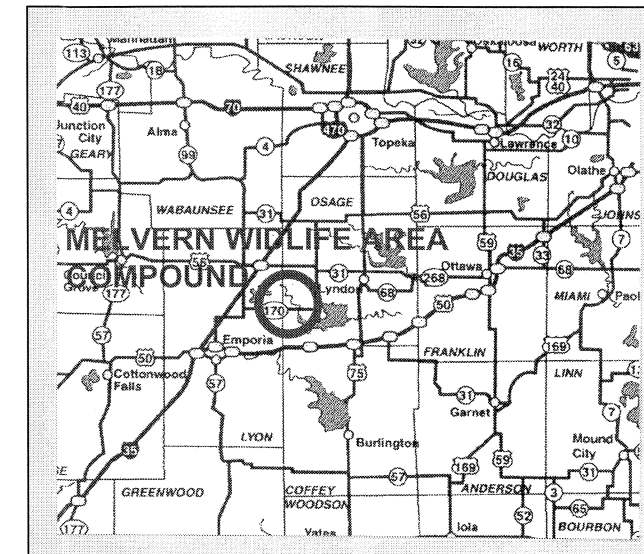
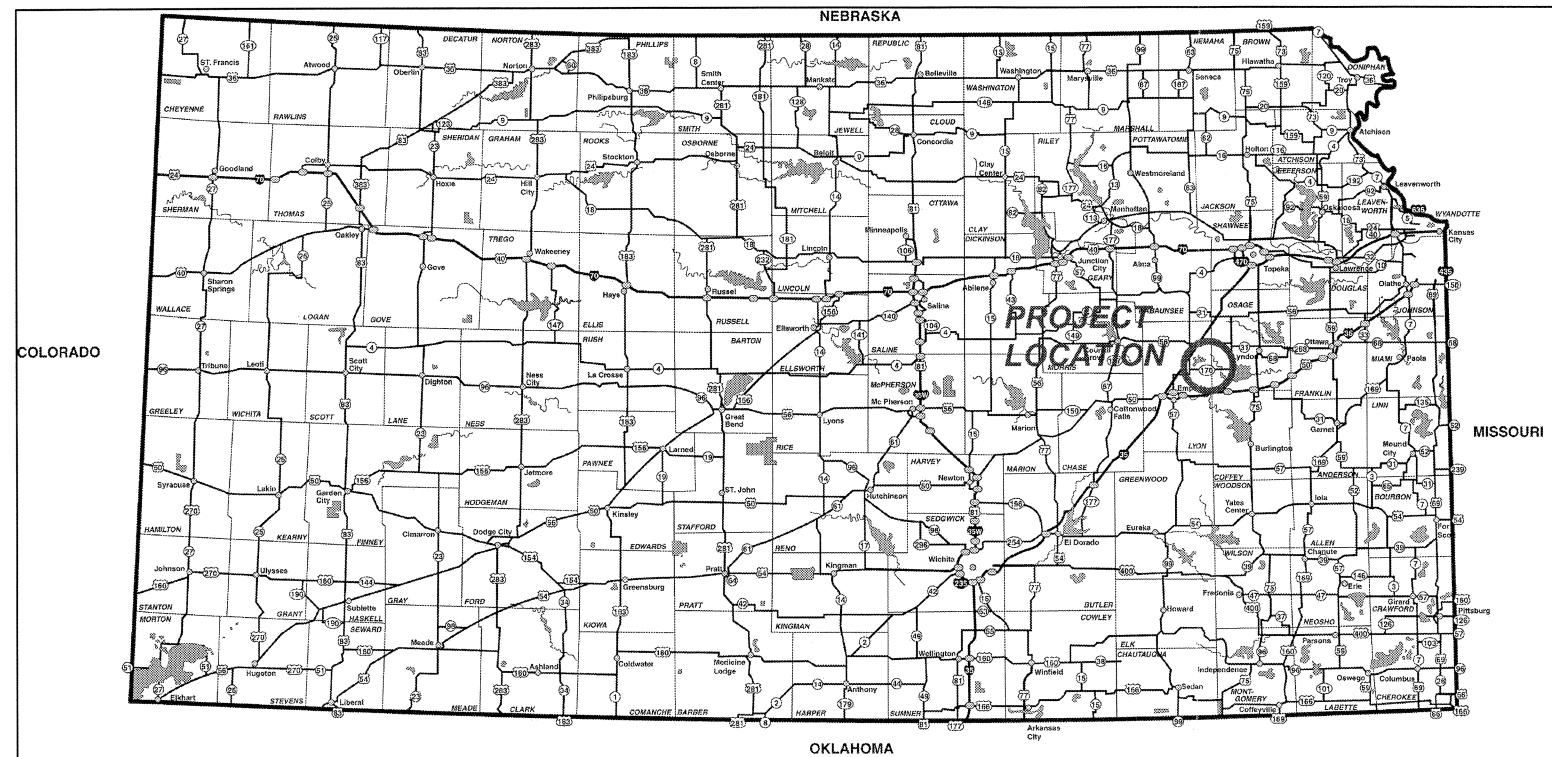
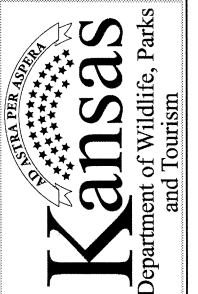


MELVERN RESERVOIR WILDLIFE AREA
2013 NEW EQUIPMENT STORAGE BUILDING

[illegible]

**Kansas Department of Wildlife,
Parks and Tourism**
Engineering Services Section
512 SE 25th Ave.
Pratt, Kansas 67124



MELVERN RESERVOIR
2013 NEW EQUIPMENT STORAGE BUILDING

TITLE SHEET

Project
AGA TRAC 981500

SHEET
1
OF
4

1. TITLE SHEET
2. SITE PLAN
3. CODE FOOTPRINT
4. BUILDING ELEVATIONS AND REQUIREMENTS

AUSTIN PIESTER, P.E.
KDWPT ENGINEERING SERVICES
(620) 672-00762

DENNIS GLASCOCK
PROJECT MANAGER
(620) 672-0716

CLINT BOWMAN
PUBLIC LANDS MANAGER
(620) 699-3372

APPROVED

DATE _____

1/07/13

CHIEF, ENGINEERING SERVICES
KANSAS DEPARTMENT OF WILDLIFE, PARKS AND TOURISM

USACOE PROPERTY
MELVERN RESERVOIR
SE 1/4, T 17 S, R 13 E LYON COUNTY,
KANSAS
38 DEG 31' 17.84" NORTH
95 DEG 57' 15.76" WEST

EXISTING SHOP BUILDING

**CONSTRUCT 42' BY 70' BY 15'0" BUILDING
IN LOCATION SHOWN
FF ELEVATION 100.0'**

TOWN OF READING

BENCHMARK
16d NAIL IN BASE OF POWER POLE
ELEVATION 101.3'

SCALE 1"=30'

1. LOCAL CONTACT FOR THE PROJECT IS CLINT BOWMAN (620) 669-3372. KDWPT ENGINEERING SERVICES CONTACT IS DENNIS GLASCOCK (620) 672-0716.
2. CONTRACTORS SHALL VISIT THE SITE OF THE PROPOSED WORK IN ORDER TO ASCERTAIN ALL CONDITIONS THAT EXIST PRIOR TO BIDDING.
3. ALL PRELIMINARY EARTHWORK HAS BEEN PERFORMED ON THE SITE AND THE SITE HAS BEEN BROUGHT TO AN ELEVATION AT APPROXIMATE FINISHED FLOOR. GRAVEL SURFACING HAS BEEN PLACED IN LIEU OF A CONCRETE FLOOR.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL GRADING AND SITE PREPARATION PRIOR TO CONSTRUCTION OF THE BUILDING.
5. THE CONTRACTOR SHALL REMOVE ALL TRASH AND WORK RELATED DEBRIS FROM THE JOBSITE DAILY.
6. UPON COMPLETION OF THE WORK, LEAVE THE AREA IN A CLEAN, AESTHETICALLY PLEASING CONDITION.

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MELVERN RESERVOIR
2013 NEW EQUIPMENT STORAGE BUILDING

SITE PLAN

Project
AGA TRAC 981500

SHEET
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OF
4

	Date	Revision	No.	By	CK	APP
	Designed By:		1			
	Drawn By:					
	Checked By:					
	Date:		2			
	Scale:		3			
			4			

CODE COMPLIANCE ANALYSIS

TYPE OF PROJECT: NEW BUILDING
REASON FOR SUBMITTAL: MELVERN WILDLIFE AREA EQUIPMENT STORAGE BUILDING
FACILITY NAME: 2272 ROAD 250
READING, KANSAS 66668

OWNER: KANSAS DEPARTMENT OF WILDLIFE, PARKS AND TOURISM
1020 SOUTH KANSAS AVENUE, SUITE 200
TOPEKA, KS 66612
PHONE: 785-296-2281
FAX: 785-296-6999

ARCHITECT - CODE REVIEW ONLY: EMIG AND ASSOCIATES, ARCHITECTS
517 MERCHANT, SUITE 205
EMPORIA, KANSAS 66801
PHONE: 620-343-9180
FAX: 620-343-9180
E-MAIL: emigarch@bncglobal.net

LOCAL FIRE DEPARTMENT: READING FIRE DEPARTMENT
419 1ST STREET
READING, KS 66668
PHONE: 620-699-5546

BUILDING INSPECTION DEPARTMENT: KANSAS OFFICE OF FACILITIES AND PROPERTY MANAGEMENT
LANDON STATE OFFICE BUILDING
900 SW JACKSON, SUITE 600
TOPEKA, KANSAS

CODES UTILIZED TO DESIGN RENOVATIONS: 2006 INTERNATIONAL BUILDING CODE
2006 INTERNATIONAL FIRE CODE
2006 INTERNATIONAL MECHANICAL CODE
2006 INTERNATIONAL PLUMBING CODE
2006 INTERNATIONAL ENERGY CONSERVATION CODE
2008 NATIONAL ELECTRIC CODE
2006 NFPA 101
2010 ADA
1991 AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES
KANSAS FIRE PREVENTION CODE

SEISMIC DESIGN: EXEMPT-INCIDENTAL HUMAN OCCUPANT STORAGE BUILDING

OCCUPANCY GROUPS: S-2- LOW HAZARD STORAGE

INCIDENTAL USE SEPARATIONS SECTION 908.2: N/A

ACCESSORY USE SEPARATIONS SECTION 908.3.1: N/A

OCCUPANCY SEPARATIONS TABLE 908.3.3: NO SEPARATION REQD

BUILDING CODE ANALYSIS

1. OCCUPANCY TYPE: GROUP S-2, LOW HAZARD STORAGE
2. CONSTRUCTION TYPE: TYPE VB
3. BASIC ALLOWABLE AREA: 19,500 SF
3A. AREA INCREASE: 170 / 224 = .75 (14,310 SF ALLOWABLE)
4. ACTUAL GROSS BUILDING AREA: 2,940 SF
5. BASIC ALLOWABLE STORIES: 2
6. ACTUAL NUMBER OF STORIES: 1
7. BASIC ALLOWABLE HEIGHT: 40 FT
8. ACTUAL HEIGHT: +/- 2'

9. FIRE RESISTANCE RATING FOR BUILDING ELEMENTS

TYPE VS ALLOWABLE	ACTUAL
STRUCTURAL FRAME	O H R IBC TABLE 601
EXTERIOR BEARING WALLS	O H R IBC TABLE 602+10 FT
INTERIOR BEARING WALLS	O H R IBC TABLE 601
EXTERIOR NON-BEARING WALLS	O H R IBC TABLE 602+10 FT
INTERIOR NON-BEARING WALLS	O H R IBC TABLE 601
FLOOR-CEILING / FLOOR	O H R IBC TABLE 601
ROOF-CEILING / ROOF	O H R IBC TABLE 601
SHUTT ENCLOSURE	1 H R IBC SECTION 707

10. OCCUPANT LOAD

10 OCCUPANTS PER 300 SF / OCC - THIS IS NOT A EMPLOYEE COMMON USE WORK AREA, AND WILL BE ACCESSED BY ONE PERSON TYPICALLY

11. EXITING

500 FT MAX EXIT TRAVEL DISTANCE PER IBC TABLE 106.1

12. EGRESS WIDTH PER TABLE 1009.1

DOORS: 2 INCHES PER OCCUPANT

13. OTHER SPECIAL CONDITIONS

EXIT SIGNAGE NOT REQUIRED IN ROOMS THAT REQUIRE ONLY ONE EXIT- IBC SECTION 1011 EXCEPTION 1
EXIT ILLUMINATION PROVIDED BY TRANSLUCENT ROOF PANELS IN LIEU OF ELECTRIC LIGHTS
FIRE EXTINGUISHERS SHALL BE INSTALLED PER NFPA 10
UNISEX TOILET FACILITY INCLUDING WATER CLOSET, LAVATORY AND SHOWER ARE LOCATED IN ADJACENT BUILDING- APPROX 220' AWAY. IBC SECTION 2902.4.1 ALLOWS THIS FOR EMPLOYEE USE.

14. MINIMUM PLUMBING FIXTURES

UNISEX TOILET FACILITY INCLUDING WATER CLOSET, LAVATORY AND SHOWER ARE LOCATED IN ADJACENT BUILDING- APPROX 220' AWAY. IBC SECTION 2902.4.1 ALLOWS THIS FOR EMPLOYEE USE.

15. FIRE ALARM REQUIREMENTS

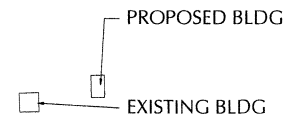
N/A

SIGNATURES

ARCHITECT: EMIG AND ASSOCIATES, ARCHITECTS
OWNER: KANSAS DEPARTMENT OF WILDLIFE, PARKS AND TOURISM
OFFICE COMPLIANCE COORDINATOR: _____

SYMBOL	DESCRIPTION	PROTECTION ELEMENTS
	EXIT-EXTERIOR	
	FIRE EXTINGUISHER	
	ACCUMULATED EXIT WIDTH AT REQUIRED EXIT (CLEAR WIDTH)	OCCUPANTS / REQUIRED WIDTH PROVIDED WIDTH
	OFFICE / B	ROOM TYPE / OCCUPANCY TYPE MAXIMUM ALLOWABLE OCCUPANTS
	TRAVEL DISTANCE TO EXIT (FEET)	
	S-2 OCCUPANCY	

CODE SYMBOL LEGEND

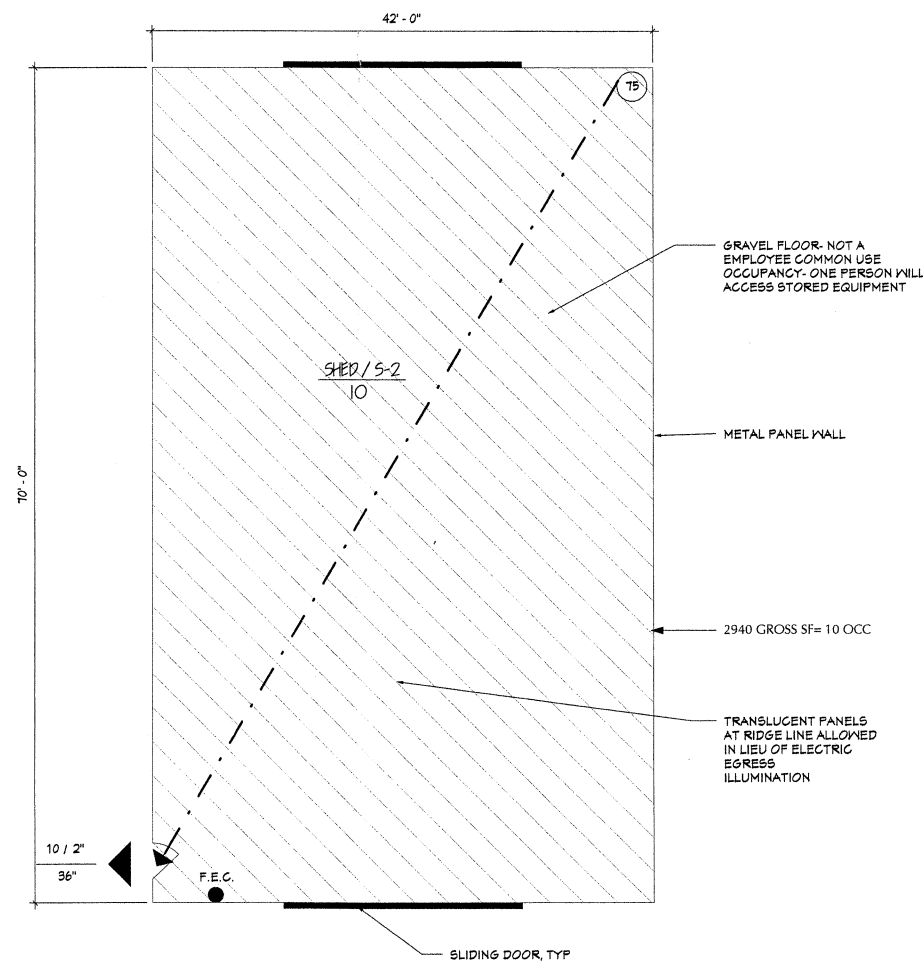
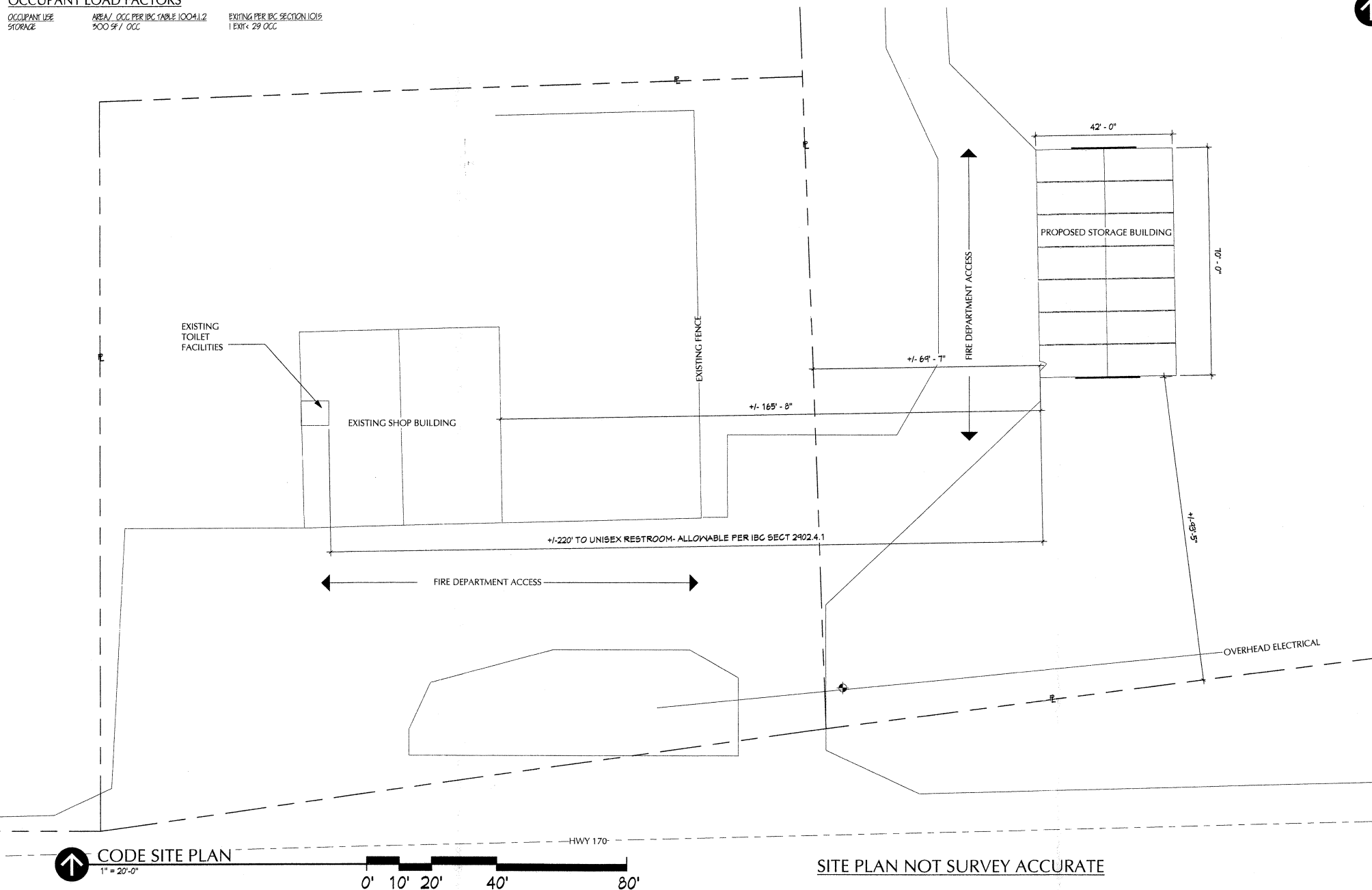


VICINITY PLAN

NOT TO SCALE

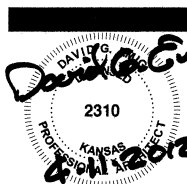
OCCUPANT LOAD FACTORS

OCCUPANT USE STORAGE: AREA / OCC PER IBC TABLE 1004.1.2
300 SF / OCC
EXITING PER IBC SECTION 1009.1
1 EXIT: 29 OCC



E&A Job # 1210

EMIG and ASSOCIATES
Architects
Post Office Box 1724
Emporia, Kansas 66801
Phone: 620-343-9180
Fax: 620-343-9193



DEPARTMENT OF ADMINISTRATION OFFICE OF FACILITIES AND PROPERTY MANAGEMENT Landon State Office Building 100 SW Jackson Topeka, Kansas 66612-1200 Telephone: 785-296-8899 Fax: 785-296-8898	Rev.
MELVERN WILDLIFE AREA EQUIPMENT STORAGE BUILDING READING, KANSAS BUILDING NUMBER: 8951 Date: AUG 12 Drawn By: P.H. Checked By:	
CODE SHEET	
A-011950	
CS1	
CODE ANALYSIS	



1. UPON AWARD, THE CONTRACTOR SHALL NOTIFY THE OWNER WITH A SET OF BUILDING PLANS SEALED BY AN ARCHITECT OR ENGINEER LICENSED IN THE STATE OF KANSAS. THE PLANS SHALL BE ACCOMPANIED WITH A CERTIFICATION LETTER STATING THAT THE PROPOSED DESIGN MEETS OR EXCEEDS ALL OF THE CRITERIA LISTED WITHIN THESE CONTRACT DOCUMENTS. CODE REQUIREMENTS: INTERNATIONAL BUILDING CODE 2006. WORK SHALL NOT COMMENCE UNTIL THE OWNER OR ITS DESIGNATED AUTHORITY HAVE REVIEWED AND APPROVED ALL SUBMITTALS.
2. BUILDING TO BE A PRE-ENGINEERED, WOOD FRAME, METAL EXTERIOR, 42'0" WIDE X 70'0" LONG X 15'0" (NOMINAL) HIGH WITH BAY SPACING NOT TO EXCEED 10'0".
3. PROVIDE CLEAR SPACE REQUIREMENT OF 14'0" (MEASURED FROM FINISH FLOOR) MINIMUM HEIGHT AT SLIDE DOOR OPENINGS IN END WALLS.
4. REFER TO SPECIFICATIONS FOR LOADING REQUIREMENTS ON THE STRUCTURE.
5. PROVIDE INSULATION IN ROOF ONLY, INSULATION TO BE FOIL BACKED FOAM CORE, 1/2" THICK WITH A MINIMUM INSULATION VALUE OF R-5.
6. PROVIDE CLOSURE STRIPS AT TOP AND BOTTOM OF ALL PANELS.
7. PROVIDE CONTINUOUS, (TRANSLUCENT, ALTERNATE BID) VENTED RIDGE CAP AT RIDGE LINE- ALL OPENINGS TO BE SCREENED.
8. ROOF AND WALL PANELS TO BE 26 GAUGE COLORED PANELS WITH COLORS CHOSEN BY OWNER FROM A FACTORY SUPPLIED COLOR CHART.
9. TRANSLUCENT WALL PANELS IN AREAS SHOWN.
10. PROVIDE SLIDE DOORS AT BOTH ENDS OF BUILDING. SLIDE DOORS TO BE DOUBLE - 10' WIDE BY 14' HIGH WITH TRACK HARDWARE ABOVE AND GUIDES AT BASE OF THE DOORS TO PREVENT EXCESSIVE MOVEMENT. PROVIDE RAIN CAP OVER TRACK HARDWARE. PROVIDE INTERNAL TAMPER PROOF LATCH SYSTEM FOR BOTH DOORS. DOOR CONSTRUCTION DETAILS TO BE PROVIDED WITH BUILDING SUBMITTALS TO OWNER.
11. WALK IN DOOR TO BE 3'0" BY 6'8" COMMERCIALS STEEL IN STEEL JAM WITH LEVER TYPE LOCK SET AND DEAD BOLT. KEY DEAD BOLT AND LOCKSET WITH SAME KEY.
12. PROVIDE RAIN GUTTERS ALONG BOTH SIDES OF BUILDING WITH DOWNSPOUTS AT THE ENDS AND AT MID POINT. CONTRACTOR SHALL ALSO SUPPLY CONCRETE SPLASH BLOCKS FOR EACH DOWNSPOUT.

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